Name: _____   Date: _____
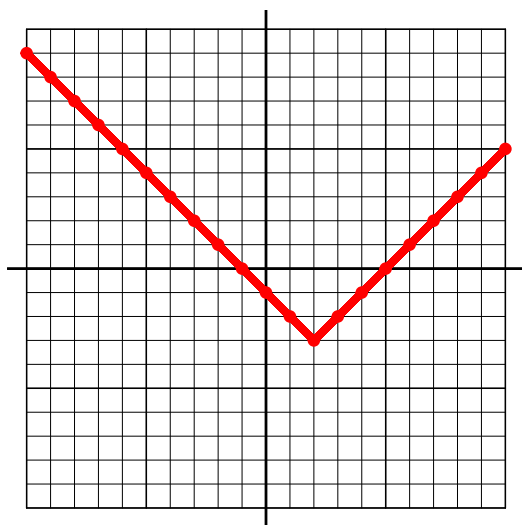
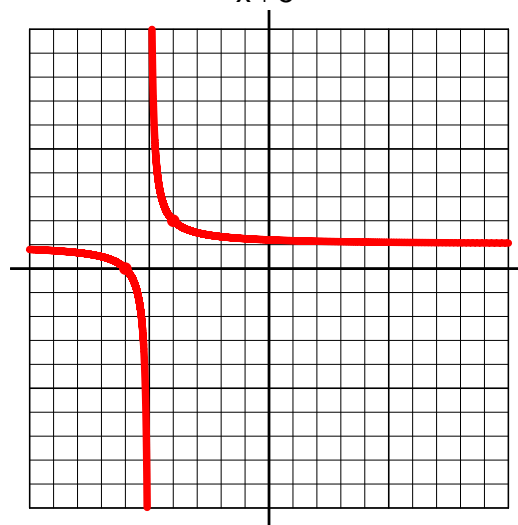# PCW_09_29 SOLUTION: Graph Parent Translations (version 1)

Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10.

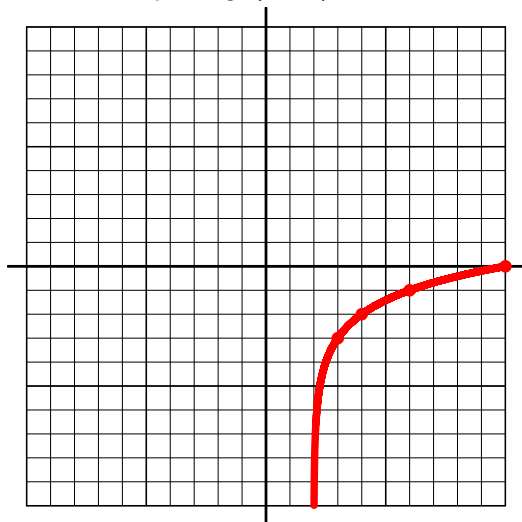Clearly mark every solution where x and y are both integers with a small dot along the curve.
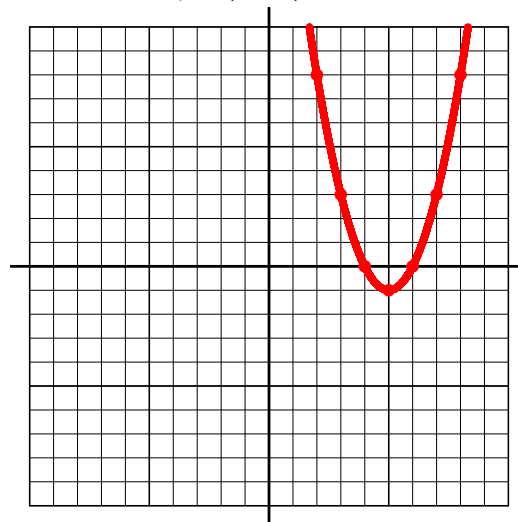
$y = |x - 2| - 3$
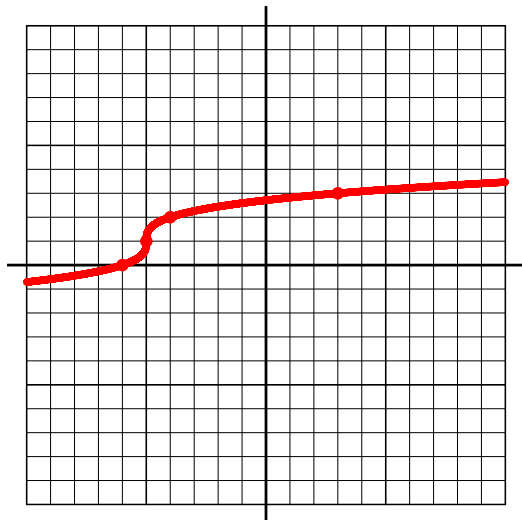
$y = \dfrac{1}{x + 5} + 1$

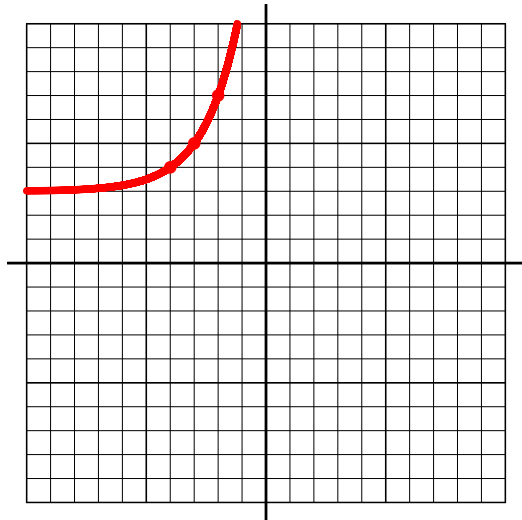$y = \log_2(x - 2) - 3$

$y = (x - 5)^2 - 1$

$y = \sqrt[3]{x+5} + 1$

$y = (x-1)^3 - 4$

$y = 2^{x+4} + 3$

$y = \sqrt{x-2} + 5$